

Appl. No. 10/517,230
Amdt. dated Oct. 28, 2005
Reply to Office action of Aug. 2, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claims 1-10. (Canceled)

11. (Currently amended) In an electrical machine with a rotor attached to a shaft and a multi-part stator (1) that has a yoke ring (2) and stator fins (4, 14) that delimit winding grooves (8), which winding grooves accommodate windings (9) or winding segments wound around insulator elements (5, 6, 7), the improvement wherein the stator (1) comprises a number of first wound insulator elements (5, 6, 7) that are wound one after another with the same first, uncut winding wire (9) and a number of second insulator elements that are wound one after another with the same second, uncut winding wire.

12. (Previously presented) The electrical machine according to claim 11, wherein the insulator elements (5, 6, 7) are frame-shaped or ring-shaped coil bodies that can be slid around or onto stator fins (4) or onto teeth (14) of the stator (1).

Appl. No. 10/517,230
Amdt. dated Oct. 28, 2005
Reply to Office action of Aug. 2, 2005

13. **(Previously presented)** The electrical machine according to claim 11, wherein the stator fins (4, 14) of the stator (1) are designed to fit the frame-shaped or ring-shaped insulator elements (5, 6, 7) so that the insulator elements (5, 6, 7) with the windings (9) can be fastened to the stator fins (4, 14) with form-fitting engagement.

14. **(Previously presented)** The electrical machine according to claim 12, wherein the stator fins (4, 14) of the stator (1) are designed to fit the frame-shaped or ring-shaped insulator elements (5, 6, 7) so that the insulator elements (5, 6, 7) with the windings (9) can be fastened to the stator fins (4, 14) with form-fitting engagement.

15. **(Previously presented)** The electrical machine according to claim 11, wherein the multi-part stator (1) comprises a hollow, cylindrical yoke ring (2) and a toothed ring (3) concentric to it, whose teeth (14) constitute the stator fins to which the insulator elements (5, 6, 7) can be fastened.

16. **(Previously presented)** The electrical machine according to claim 12, wherein the multi-part stator (1) comprises a hollow, cylindrical yoke ring (2) and a toothed ring (3) concentric to it, whose teeth (14) constitute the stator fins to which the insulator elements (5, 6, 7) can be fastened.

Appl. No. 10/517,230
Amdt. dated Oct. 28, 2005
Reply to Office action of Aug. 2, 2005

17. **(Previously presented)** The electrical machine according to claim 11, wherein a number of insulator elements (5, 6, 7) provided with winding wire (9) can be fastened to a stator part (3) and that the stator part (3) with the insulator elements (5, 6, 7) fastened to it can be attached to the yoke ring (2).
18. **(Previously presented)** The electrical machine according to claim 13, wherein a number of insulator elements (5, 6, 7) provided with winding wire (9) can be fastened to a stator part (3) and that the stator part (3) with the insulator elements (5, 6, 7) fastened to it can be attached to the yoke ring (2).
19. **(Previously presented)** The electrical machine according to claim 15, wherein a number of insulator elements (5, 6, 7) provided with winding wire (9) can be fastened to a stator part (3) and that the stator part (3) with the insulator elements (5, 6, 7) fastened to it can be attached to the yoke ring (2).
20. **(Previously presented)** The electrical machine according to claim 11, wherein the outer edges of the insulator elements (5, 6, 7) are provided with channel-like recesses (12) for the winding wires (9).

Appl. No. 10/517,230
Amdt. dated Oct. 28, 2005
Reply to Office action of Aug. 2, 2005

21. **(Previously presented)** The electrical machine according to claim 12, wherein the outer edges of the insulator elements (5, 6, 7) are provided with channel-like recesses (12) for the winding wires (9).

22. **(Previously presented)** The electrical machine according to claim 13, wherein the outer edges of the insulator elements (5, 6, 7) are provided with channel-like recesses (12) for the winding wires (9).

23. **(Previously presented)** The electrical machine according to claim 11, wherein the insulator elements (5, 6, 7) have detent projections (11) on one side in order to permit them to be fastened to the stator (1) of the electric motor.

24. **(Previously presented)** The electrical machine according to claim 12, wherein the insulator elements (5, 6, 7) have detent projections (11) on one side in order to permit them to be fastened to the stator (1) of the electric motor.

25. **(Previously presented)** The electrical machine according to claim 11, wherein the winding wire (9) is wound clockwise or counterclockwise around one insulator element (5) and then is wound in the same winding direction around the subsequent insulator element (6, 7).

Appl. No. 10/517,230
Amdt. dated Oct. 28, 2005
Reply to Office action of Aug. 2, 2005

26. **(Previously presented)** The electrical machine according to claim 12, wherein the winding wire (9) is wound clockwise or counterclockwise around one insulator element (5) and then is wound in the same winding direction around the subsequent insulator element (6, 7).

27. **(Previously presented)** The electrical machine according to claim 11, wherein the electric motor is embodied as a brushless asynchronous, synchronous, or EC motor.

28. **(Previously presented)** The electrical machine according to claim 15, wherein the electric motor is embodied as a brushless asynchronous, synchronous, or EC motor.

29. **(Previously presented)** The electrical machine according to claim 11, wherein the winding wire ends (10) of the insulator elements (5, 6, 7) that are jointly wound with one winding wire (9) are connected in an electrically conductive manner to power supply lines by means of one or more interconnection grids.

30. **(Previously presented)** The electrical machine according to claim 12, wherein the winding wire ends (10) of the insulator elements (5, 6, 7) that are jointly wound with one winding wire (9) are connected in an electrically conductive manner to power supply lines by means of one or more interconnection grids.